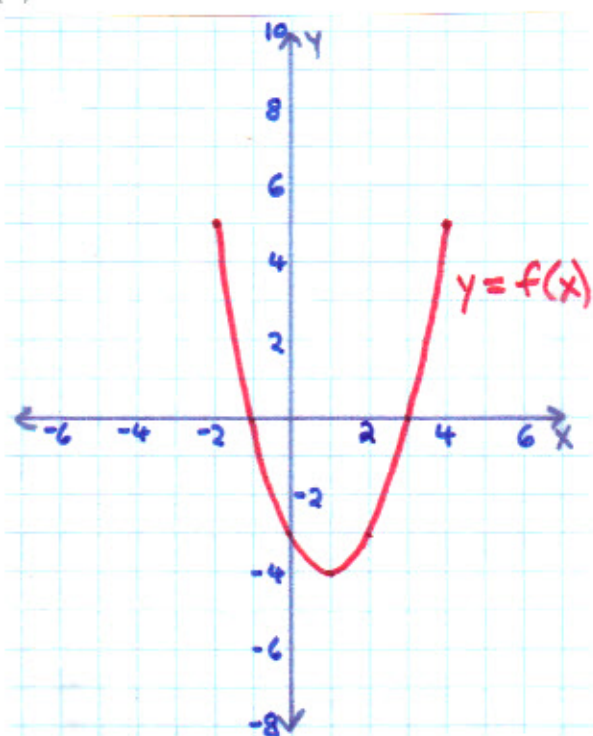
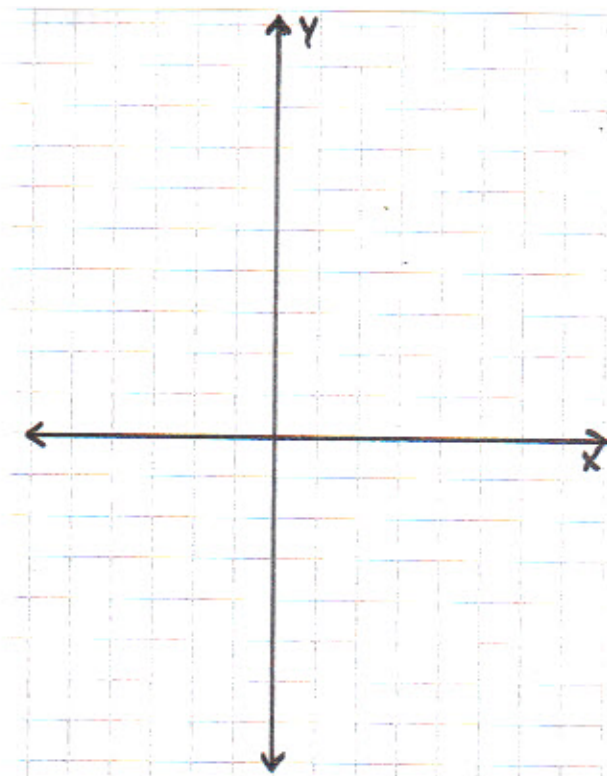
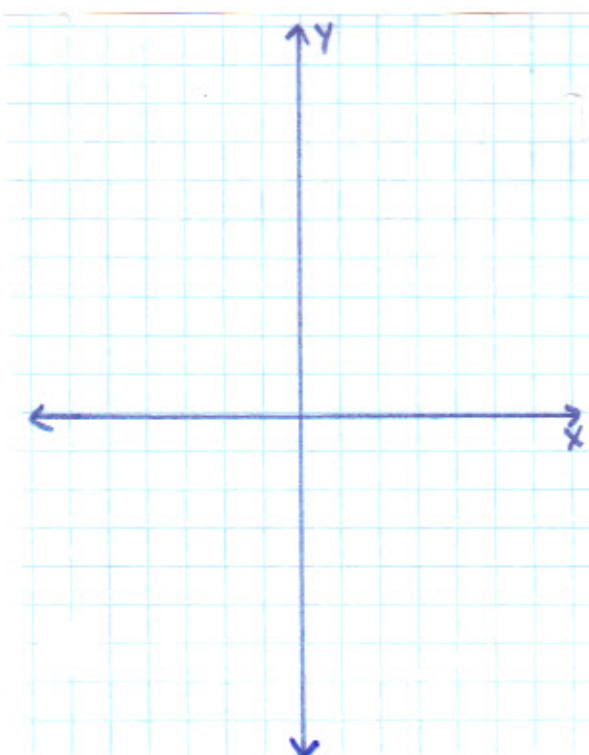


Given the graph of  $y = f(x)$  shown immediately below, draw each of the transformations requested:

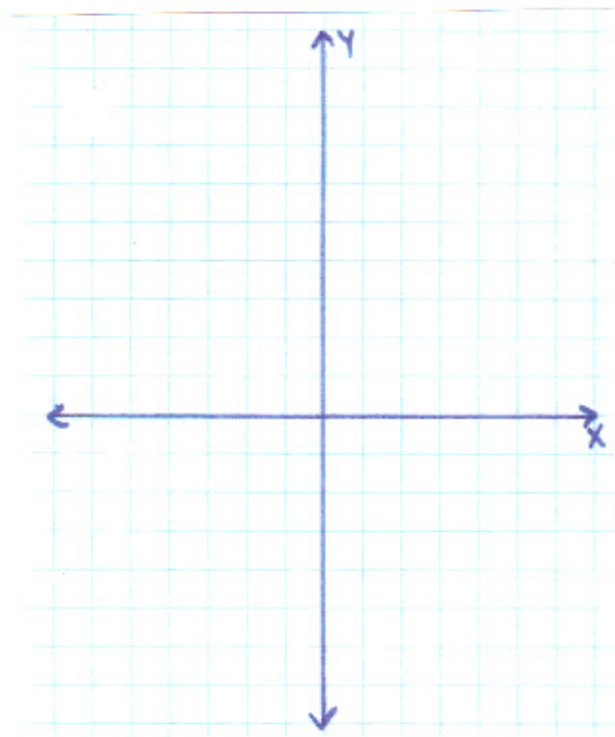


1. Transformation  $y = \frac{1}{3}f(x)$

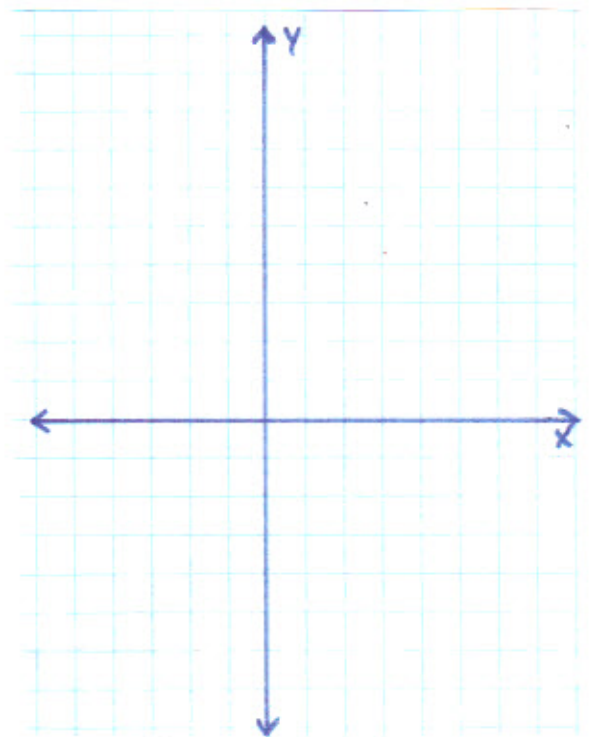
2. Transformation  $y = f(x - 3)$



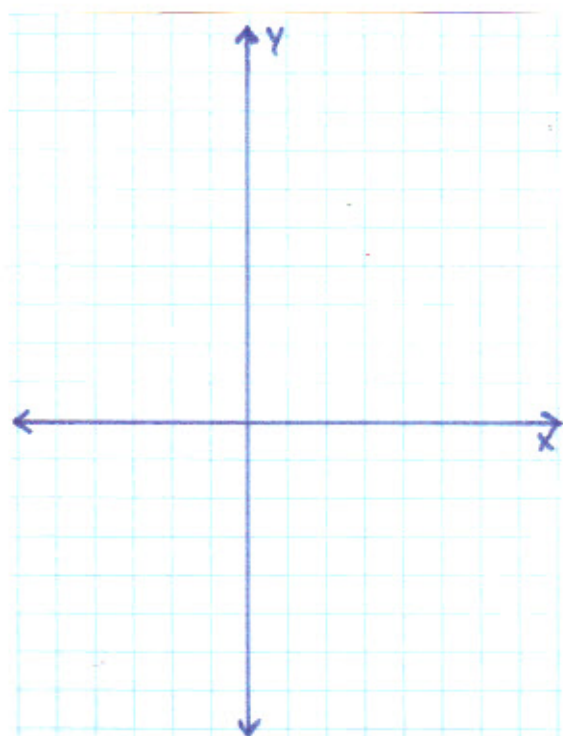
3. Transformation  $y = f(x) - 4$



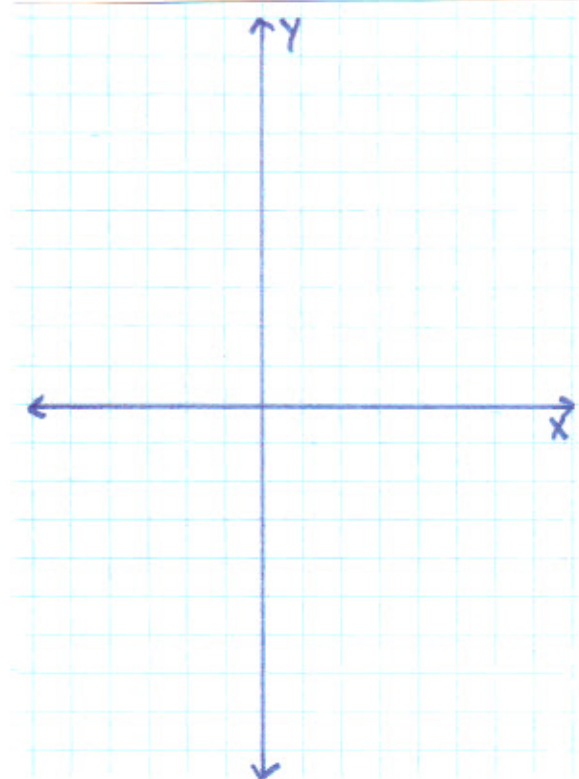
4. Transformation  $y = -f(x)$



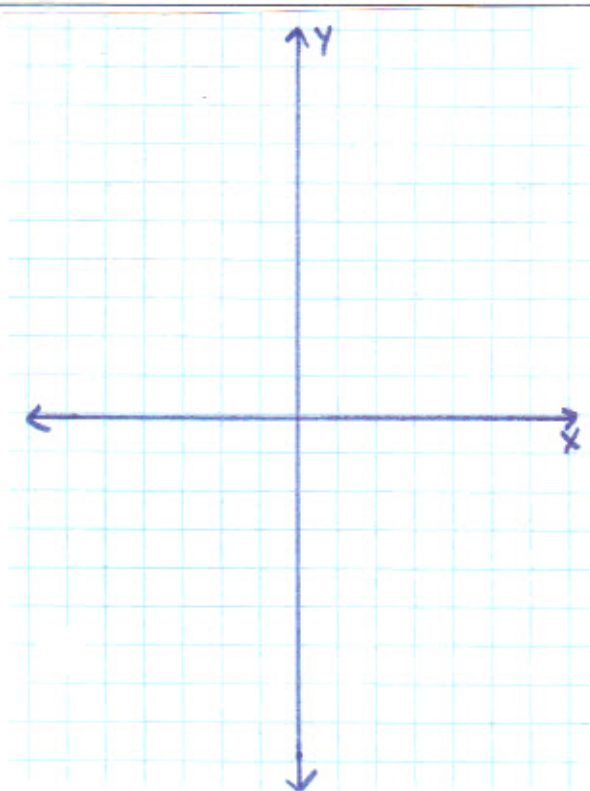
5. Transformation  $y = f(x + 2)$



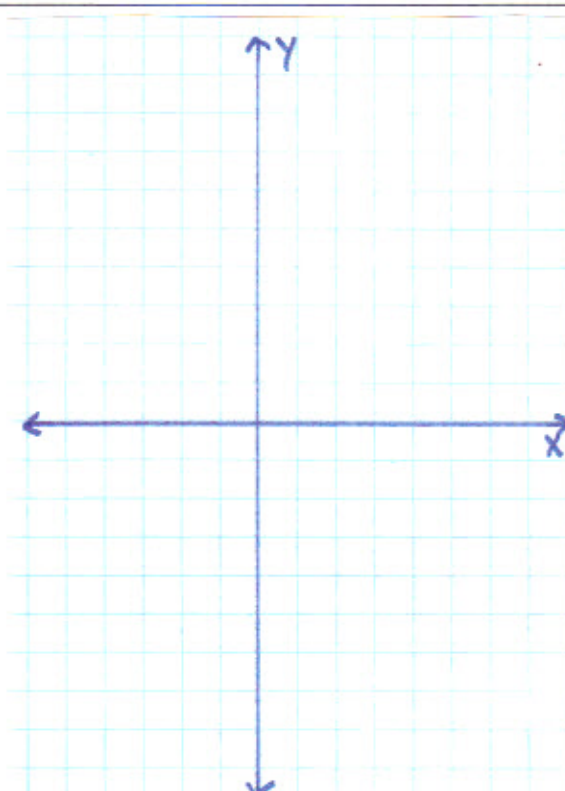
6. Transformation  $y = f(2x)$



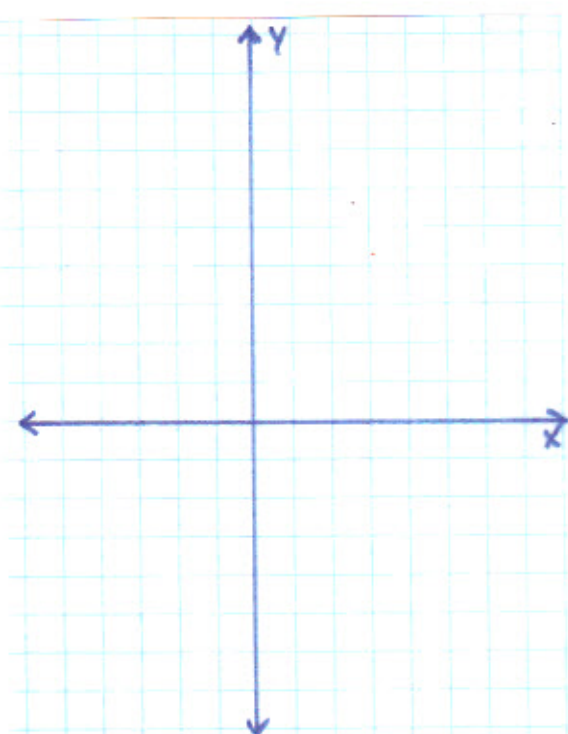
7. Transformation  $y = f\left(\frac{1}{3}x\right)$



8. Transformation  $y = f(x) + 3$



9. Transformation  $y = |f(x)|$



Transformation  $y = f(x) - 4$

